

In the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

1 to 8. (Canceled)

1 9. (Currently Amended) The portable computer according to Claim 8  
2 28, wherein the I/O ports comprise USB, AC-97, serial ports, floppy  
3 disk controller (FDC), IEEE 1284, IEEE 1394 or memory expansion  
4 interface ports.

1 10. (Currently Amended) The portable computer according to Claim  
2 9, wherein the memory expansion interface ports are adapted to  
3 interface with flash, multi-media card (MMC), smart media, smart  
4 card, or memory stick memory devices.

1 11. (Currently Amended) The portable computer according to Claim 8  
2 28, wherein the portable computer comprises a notebook computer,  
3 personal digital assistant (PDA), or wearable computer.

12 and 13. (Canceled)

1 14. (Currently Amended) The portable computer according to Claim 8  
2 28, wherein the LPC I/O bridge device further comprises a  
3 packetizer/depacketizer coupled to the serialization logic and LPC  
4 controller, and a system management (SM) bus controller, floppy  
5 drive controller,  
6 configuration and control registers, a watchdog timer, a fan  
7 speed control and monitor, and an Advanced Configuration and Power  
8 Interface (ACPI) coupled to the LPC controller.

15 to 20. (Cancelled)

1 21. (Currently Amended) The docking system according to Claim ~~19~~  
2 32, wherein the I/O ports comprise USB, AC-97, Ethernet, or IEEE  
3 1284, IEEE 1394, or memory expansion interface ports, wherein the  
4 portable computer comprises a notebook computer, personal digital  
5 assistant (PDA), or wearable computer, and wherein the docking  
6 station comprises a port replicator or expansion chassis.

1 22. (Currently Amended) The docking station according to Claim 21,  
2 wherein the memory expansion interface ports are adapted to  
3 interface with flash, multi-media card (MMC), smart media, smart  
4 card, or memory stick memory devices.

23 to 27. (Canceled)

1 28. (New) A portable computer comprising:  
2 an I/O bus;  
3 a plurality of I/O ports;  
4 a docking connector including a low pin count serial I/O port;  
5 a low pin count I/O bridge device coupled to said I/O bus and  
6 said docking connector, said low pin count I/O bridge device  
7 including:  
8 an LPC controller coupled to said I/O bus and said  
9 docking connector adapted  
10 to detect whether the portable computer is coupled  
11 to a docking station via said docking connector,  
12 to route data transmissions from said I/O bus to  
13 said I/O ports if the portable computer is not coupled to  
14 a docking station via said docking connector, and  
15 to route data transmissions from said I/O bus to  
16 said low pin count serial I/O port of said docking

17 connector if the portable computer is coupled to a  
18 docking station via said docking connector; and  
19 serialization logic coupled to the LPC controller adapted  
20 to serialize the data transmissions routed to said low pin  
21 count serial I/O port of said docking connector.

1 29. (New) The portable computer according to Claim 28, further  
2 comprising:

3 configuration and control registers, a watchdog timer, a fan  
4 speed control and monitor, and an Advanced Configuration and Power  
5 Interface (ACPI) coupled to said LPC controller.

1 30. (New) A docking system, comprising:

2 a portable computer including

3 an I/O bus;

4 a plurality of I/O ports;

5 a computer docking connector including a low pin count  
6 serial I/O port;

7 a low pin count I/O bridge device coupled to said I/O bus  
8 and said computer docking connector, said low pin count I/O  
9 bridge device including:

10 an LPC controller coupled to said I/O bus and said  
11 computer docking connector adapted

12 to detect whether the portable computer is  
13 coupled to a docking station via said computer  
14 docking connector,

15 to route data transmissions from said I/O bus  
16 to said I/O ports if the portable computer is not  
17 coupled to a docking station via said computer  
18 docking connector, and

19 to route data transmissions from said I/O bus  
20 to said low pin count serial I/O port of said

21 computer docking connector if the portable computer  
22 is coupled to a docking station via said computer  
23 docking connector; and  
24 serialization logic coupled to the LPC controller  
25 adapted to serialize the data transmissions routed to  
26 said low pin count serial I/O port of said computer  
27 docking connector; and  
28 a docking station having a docking station docking connector  
29 coupleable to said computer docking connector.

1 31. (New) The docking system according to Claim 30, further  
2 comprising:  
3 a packetizer/depacketizer coupled to said serialization logic  
4 and said LPC controller.

1 32. (New) The docking system according to Claim 30, further  
2 comprising:  
3 a system management (SM) bus controller, and floppy drive  
4 controller coupleable to said LPC controller.

1 33. (New) The docking system according to Claim 30, further  
2 comprising:  
3 configuration and control registers, a watchdog timer, a fan  
4 speed control and monitor, and an Advanced Configuration and Power  
5 Interface (ACPI) coupled to said LPC controller.